CERTIFICATE OF MAILING

certify that on June 28, 2005 this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nina C. James (Type or print name of person mailing paper)

(Signature of person mailing paper)

PATENT

Attorney Docket No. 0180.0042

Serial No. 10/518,129

December 14, 2004 Filed:

Supported Metal Catalyst Title: With Improved Thermal Stability

Applicants: Carter/Jarvis Group Art Unit No. n/a

Examiner: n/a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In recognition of the duty to disclose all relevant information of which they are aware, Sir: applicant directs the Examiner's attention to the references listed on the attached PTO form AB-08A. A copy of each non-US patent reference is enclosed.

Dated: June 28, 2005

Respectfully submitted,

/David J. Oldenkamp/ David J. Oldenkamp, Reg.# 29,421 SHAPIRO & DUPONT LLP 233 Wilshire Boulevard, Suite 700 Santa Monica, California 90401 (310) 319-5411 (Telephone) (310) 319-5401 (Facsimile)

Approved for use through 07/31/2006 OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

2

of Sheet

Complete if Kn	own
Application Number	10/518,129
Filing Date	December 14, 2004
First Named Inventor	Carter, Emily A.
Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	0180.0042

			Ū.	S. PATENT DOC	UMENTS	
Examiner Initials*	Cite No.1	Number	Document Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
muais	110.	US-	3,966,790		Hindin et al.	
	 	US-	4,171,288		Keith et al.	
	1	US-	4,294,726		Bozon et al.	
	1	US-	4,624,940		Wan et al.	
		US-	4,714,694		Wan et al.	
		US-	4,849,399		Joy, III et al.	
	 	US-	4,902,664		Wan	
		US-	5,212,142		Dettling	
	-	US-	5,552,360		Farrauto et al.	
	1	US-	5,627,124		Farrauto et al.	
		US-	6,492,297		Sung	
		US-				
		US-				
		US-				
		US-				
		US-				<u> </u>

FOREIGN PATENT DOCUMENTS						
		Foreign Patent Document			Pages, Columns, Lines,	Ì
Examiner Initials*	Cit e No.	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	To
						
	<u> </u>					+
	 					
	-					
						╁
						+-
	ļ		<u> </u>			+

Examiner	Date	
	Considered	
Signature		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 06/30/2006 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO	Complete if Known	
•	Application Number	10/518,129
NFORMATION DISCLOSURE	Filing Date	December 14, 2004
STATEMENT BY APPLICANT	First Named Inventor	Carter, Emily A.
		n/a
(version many chapte as necessary)	I Art Unit	
(use as many sheets as necessary)	Art Unit Examiner Name	n/a

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
, made	1	Jarvis et al., An Atomic Perspective of a Doped Metal-Oxide Interface, J. Phys. Chem B, 2002, 106, 7997-8004 (published on Web 06/14/2002)	_	
	2	Jarvis et al., Importance of open-shell effects in adhesion at metal-ceramic interfaces, Physical Review B 66, 100103(R) (2002) (published September 25, 2002)		
	3		-	
	4_		-	
	5		+	
	6		+	
	7		+	
	8		-	
			$\frac{1}{1}$	
			-	
	+			

Eversines	Date
Examiner	Considered
Signature	Considered
Olgitature	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

^{**}EXAMINER: Initial if reference considered, whether or not cliation is in conformance with MPEP 609. Uraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). *See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.